

# Jeongwoon Kim

MS Student

Postech(Pohang University of Science and Technology)

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<https://kimjeongwoon98.github.io/>

## EDUCATION

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Feb. 2023 ~ Present	<b>Pohang University of Science and Technology</b> Department of Mathematics <i>Master Student</i>	77, Cheongam-ro, Nam-gu, Pohang-si, Gyeongsangbuk-do, Korea
Mar. 2017 ~ Feb. 2023	<b>Kyung Hee University</b> Sociology, Applied Mathematics(double major), Computer Science and Engineering(minor) <i>B.A. in Sociology</i> GPA: 3.935 / 4.3	24, Kyungheedaero, Dongdaemun-gu, Seoul, Korea

## RESEARCH INTERESTS

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- Evolutionary game theory
- Pedophilic disorder
- Brain network
- Hidden Markov model
- Social network model

## RESEARCH EXPERIENCES

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- Research Student at Department of mathematics, Postech, Korea (Mar. 2023 ~ Present) / Modelling brain network model with Vector Autoregression
- Undergraduate researcher at Department of applied Mathematics, Kyung Hee University, Korea (Sep. 2021 ~ Feb. 2023) / Apply optimal control method for target tracking model

## AWARDS AND HONORS

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- Participation award for Academic achievement, Kyung Hee University, Korea (Nov. 2021)
- Academic Excellent Scholarship, Kyung Hee University, Korea (Sep. 2017)
- Academic Excellent Scholarship, Korea Fire Safety Institute, Korea (Sep. 2017)

## TEACHING EXPERIENCE

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- Calculus1(Mar.23~Jun.23)
- Probability and Statistics(Sep.23~Dec.23)

## **SKILLS AND TECHNIQUES**

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- Python and R for data analysis
- Statistics for dimension reduction and Graphical model
- Spatital-temporal modelling, Time series and Differential equation
- Endogeneity problem